
UMTS BAND-SELECTIVE MACRO-REPEATER

- **20 W OUTPUT POWER**
- **HIGH SENSITIVITY**
- **HIGH DYNAMIC RANGE**

This repeater is intended for use in UMTS outdoor systems. It is a compact and reliable unit and it is especially advantageous to use it in villages, tunnels, or open fields where the field strength is weak. It is a cost effective solution to cover areas, which cannot be covered economically with base stations. It is a very economical solution, can be installed easily, can be monitored and set by remote control software.

Electrical characteristics:

Frequency Band Uplink	1920 – 1980 MHz
Frequency Band Downlink	2110 – 2170 MHz
Frequency Bandwidth (Up/Downlink)	5 – 10 – 15 – 20 – 25 – 30 MHz (*)
Mode of Operation	band selective duplex
Nominal Gain	90 dB
Gain Setting	90 to 50 dB in 1 dB steps
Gain Ripple	± 1 dB typical ± 2 dB max.
RF Output Power (downlink / uplink)	+ 43 / 27 dBm @ meets with ETSI regulation
Input Noise Figure	< 4 dB typ.
EVM	5 % typ. 12,5 % max.
PCDE	<-45 dB typ. -35 dB max
ACRR	45 dB typ.
Spurious Radiation	According to the ETSI regulation
RF Connectors	N – female
Supply Voltage	230V / 50 – 60 Hz AC
Power Consumption	~ 300 VA
Weight	40 kg
Size	580 x 400 x 200 with blower
Operating temperature range	- 20 to + 50 °C
Application	Outdoor

(*) Centre frequency and bandwidth can be specified in the whole GSM band.
Specifications are subject to change without notice.

Outline dimensions (mm):
